

January 20, 2016 10:42:54 AM

140837

*Ship ASAP -
March Sometime*

Accept

N900040100

Setup Start *NS1*

Revision ID:

Item Name: AS350 Cable Cutter System

Stop *NS2*

Start Date: 1/20/2016 **Start Qty:** 7.00

~~*7*~~

Cust Item ID:

Required Date: 3/4/2016 **Req'd Qty:** 7.00

Customer:

Reference:

Approvals:

Process Plan:

Date: 1 6 0 1 2 2

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐				FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
				OTHER : ☐							

Work Order ID 140837

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140837

Page 2

Item ID: 646.4001

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016 Start Qty: 7.00

7

Cust Item ID:

Required Date: 3/4/2016 Req'd Qty: 7.00

7

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging								
Packaging	Memo	0.00				GAS 27			
Packaging	Identify and pack for shipping as per PPP 646.4001					9-89			
	Location: <u>fg 101</u>					MAR 02 2016			
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.01				<u>MCS</u>			MAR 02 2016
Quality Control									

MCS MAR 02 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐				FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
				OTHER : ☐							

Picklist Print

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Page 1

Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM
IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM IPP
REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301 *646 3301* Upper Cutter Assy		Manufactured	No				Each	5.0000		7		6 9-89	DAS 28 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				cck018				5					
				136497				2					
				140115				3					
646.3001 *646 3001* Lower Cutter Assy		Manufactured	No				Each	0.0000				6 9-89	DAS 28 9-89
646.2910 *646 2910* Deflector		Manufactured	No				Each	3.0000				6 9-89	DAS 28 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK050				3					
				136136				3					
646.3810 *646 3810* Bracket		Manufactured	No				Each	0.0000				6 9-89	DAS 28 9-89
646.3510 *646 3510* Strut		Manufactured	No				Each	1.0000				6 9-89	DAS 28 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				cck104				1					
				136114				1					

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Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

646.3511 Manufactured No

Each 0.0000

646 3511

Strut

647.0112

Manufactured No

Each 73.0000

647 0112

Strut Bracket

Location

Loc Qty

Loc Code

CCK007

73

M130388

73

647.7703 Manufactured No

Each 10.0000

647 7703

Strut Assembly

Location

Loc Qty

Loc Code

CCK114

10

139295

10

NAS1149F0332P Purchased No

Each 1,439.000

NAS1149F0332P

Washer

Location

Loc Qty

Loc Code

GA

458

m133709

458

ST262

981

m133709

181

m133938

800

DAS 28
6 9-89

DAS 28
6 9-89

DAS 6
9-89

DAS 28
6 9-89

DAS 6
9-89

DAS 28
6 9-89

DAS 6
9-89

DAS 28
6 9-89

DAS 28
6 9-89

DAS 27
9-89

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Work Order ID: 140837

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140837

646 4001

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

MS21042L3

Purchased

No

Each

947.0000

MS21042L3

Nut

**

134039

DAS

6

9-89

DAS

28

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

163

m133790

163

GA

195

m133790

195

ST304

589

m133790

589

646.3110

Manufactured

No

Each

3.0000

646 3110

Channel

**

140111

DAS

6

9-89

DAS

28

9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

cck020

3

136492

3

646.3710

Manufactured

No

Each

10.0000

646 3710

Doubler

**

DAS

6

9-89

DAS

28

9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

CCK002

10

127550

10

646.3210

Manufactured

No

Each

5.0000

646 3210

Support

**

DAS

6

9-89

DAS

28

9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

cck020

5

136217

5

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Page 4

Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

646.3713 Manufactured No

Each 13.0000

646.3713

Gusset

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck105

13

120631

1

138216

12

Each

236.0000

**

DAS
6
9-89

MS24694-S51

Purchased No

MS24694-S51

Screw

Location

Loc Qty

Loc Code

ST284

236

m130928

36

m133990

200

Each

37.0000

**

DAS
6
9-89

DAS
28
9-89

AN3-13A

Purchased No

AN3-13A

Bolt

Location

Loc Qty

Loc Code

CA

3

m129682

3

GA

20

m127070

20

ST349

14

m131305

14

DAS
27
9-89

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Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

AN3-4A Purchased No

Each 350.0000

AN3-4A

Bolt

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

over003

250

m133990

250

ST350

100

m129682

10

m133694

90

DAS
27
9-89

CR3213-5-3 Purchased No

Each 116.0000

CR3213-5-3

Cherry Rivet

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST319

116

m130388

16

m132763

100

DAS
27
9-89

MS20470AD5-5.5 Purchased No

Each 87.0000

MS20470AD5-5 5

Rivet

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST309

87

123425

87

Each

21.0000

DAS
27
9-89

646.3711 Manufactured No

646 3711

Clip

**

DAS
28
9-89

Location

Loc Qty

Loc Code

cck105

21

120626

21

DAS
27
9-89

DAS
28
9-89
FEB 27 2016

Picklist Print

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Page 6

Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

646.3712 Manufactured No

Each 11.0000

646.3712

Clip

**

DAS

6

9-89

DAS

28

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

11

101119

1

120630

10

646.3811 Manufactured No

Each

7.0000

646.3811

646.3811

Radius Block

**

DAS

6

9-89

DAS

28

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK106

7

122938

7

AN3-6A Purchased No

Each

233.0000

AN3-6A

AN3-6A

Bolt

**

DAS

6

9-89

DAS

28

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

225

M133561

100

M133932

125

ST306

8

M131305

8

MS24694-S55 Purchased No

Each

154.0000

MS24694-S55

MS24694-S55

Screw

**

DAS

6

9-89

DAS

28

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST283

154

m132803

71

m133988

83

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Page 7

Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

646.3610 Manufactured No

Each 0.0000

646 3610

Filler

646.3714

Manufactured No

Each 3.0000

646 3714

Gusset

**

**

DAS
28
9-89

DAS
6
9-89

DAS
28
9-89

MS20470AD5-6

Purchased No

Each 968.0000

MS20470AD5-6

RIVET

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK004

890

124089

890

ST309

78

105433

78

646.3812 Manufactured No

Each 1.0000

646 3812

Gusset Bracket

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK106

1

138194

1

AN3-3A Purchased No

Each 242.0000

AN3-3A

Bolt

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST350

242

m131624

101

m133483

41

m133833

100

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Shop Packet Print

Page 7

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Page 8

Work Order ID: 140837

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140837

646 4001

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

646.3813 Manufactured No

Each 6.0000

646 3813

Strut Bracket

**

DAS 28
6 9-89

Location

Loc Qty

Loc Code

CCK106

6

127453

1

138267

5

MS20470AD5-7

Purchased No

Each 509.0000

MS20470AD5-7

Rivet

**

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST309

509

123425

509

MS21047-3

Purchased No

Each 149.0000

MS21047-3

Nut Plate

**

DAS 28
6 9-89

Location

Loc Qty

Loc Code

over005

100

m133938

100

ST301

49

m133790

49

CCR264SS3-02

Purchased No

Each 392.0000

CCR264SS3-02

Rivet, Cherry

**

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST321

392

M133790

192

M134023

200

FEB 1 2016

DAS 27
9-89

33
3

Picklist Print

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Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

AN3-5A Purchased No

Each 104.0000

AN3-5A

Bolt

**

DAS

DAS

6

9-89

28

9-89

FEB 19 2016

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

24

m133686

24

ST350

80

m133686

80

646.3715 Manufactured No

Each 19.0000

646 3715

Strut Doubler

**

DAS
9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

cck105

19

139892

19

MS27039-1-12 Purchased No

Each 191.0000

MS27039-1-12

Screw

**

DAS

DAS

28

9-89

Location

Loc Qty

Loc Code

over006

100

m133988

100

ST280

91

m133483

91

646.3716 Manufactured No

Each 7.0000

646 3716

Gauge Bracket

**

FEB 19 2016

DAS

DAS

28

9-89

Location

Loc Qty

Loc Code

cck105

7

136410

7

DAS
27
9-89

Picklist Print

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Page 10

Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7:00

Required Qty: 7.00

MS20426AD5-7

Purchased

No

Each

1,059.000

MS20426AD5-7

RIVET

DAS
27
9-89

Location

Loc Qty

Loc Code

ST311

1059

M132767

16

M133922

1043

Each

64.0000

**

DAS

6

9-89

DAS
28
9-89

MS24694-S54

Purchased

No

Each

64.0000

MS24694-S54

SCREW

DAS
27
9-89

Location

Loc Qty

Loc Code

ST284

64

m133134

64

Each

375.0000

**

DAS

6

9-89

DAS
28
9-89

MS27039-1-21

Purchased

No

Each

375.0000

MS27039-1-21

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

over006

241

m127904

241

ST280

134

m127904

134

Each

172.0000

**

DAS

6

9-89

DAS
28
9-89

MS27039-1-20

Purchased

No

Each

172.0000

MS27039-1-20

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST280

172

124326

172

**

DAS

6

9-89

DAS
28
9-89

FEB 19 2016

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Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

MS27039-1-19

Purchased No

Each 204.0000

MS27039-1-19

Screw

**

DAS

28

9-89

FEB 19 2016

DAS
27
9-89

Location

Loc Qty

Loc Code

over006

100

m133932

100

ST280

104

m133134

4

m133938

100

Each

2.0000

**

DAS

6

9-89

DAS

28

9-89

646.3717

646 3717

Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

2

120633

2

Each

13.0000

**

DAS

6

9-89

DAS

28

9-89

646.3718

646 3718

Custom Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

13

136223

13

Each

19.0000

**

DAS

6

9-89

DAS

28

9-89

646.3719

646 3719

Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

19

139893

19

DAS

6

9-89

DAS

28

9-89

FEB 27 2016

Picklist Print

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Work Order ID: 140837

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140837

646 4001

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

MS27039-1-10

Purchased

No

Each

154.0000

MS27039-1-10

SCREW

**

14

134160

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CA

41

m128635

41

GA

50

m129541

50

ST280

63

m132677

63

DAS

27

9-89

AN3-11A

Purchased

No

Each

203.0000

AN3-11A

Bolt

**

170

70

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

over003

100

m133561

100

ST349

103

m133363

3

m133992

100

DAS

27

9-89

600.0990

Purchased

No

Each

27.0000

600 0990

Magnabond 6398 Part A

**

11

7

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CA2

12

M133800

12

PKG

15

M133938

12

M131589

3

DAS

27

9-89

5716

2/11/2016

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Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

600.0991

Purchased

No

Each

27.0000

7

600 0991

MAGNOBOND 6398 PART B

DAS
27
9-89

07/16

Location

Loc Qty

Loc Code

CA2

12

m133800

12

PKG

15

m133938

12

m131589

3

2/11/2016

Each

26.0000

7

600.1012

Purchased

No

600 1012

Sealant PR1425B2 (#654 sem)

SEP 09 2017

DAS
27
9-89

Location

Loc Qty

Loc Code

cck017

25

m133515

1

m133800

8

m133938

8

m133992

8

cck018

1

m131364

1

10/30/2015

f

501.0000

56

600.0129

Purchased

No

600 0129

VHB TAPE 75935A651

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK095

501

m127920

301

m131311

200

FEB 19 2016

Picklist Print

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Page 14

Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

600.1013 Purchased No

Each 850.0000

600 1013

021200-3M TAPE PRIMER 94 PRIMER 24216

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK095

850

m131145

850

6/15/2016

28

646.3910 Manufactured No

Each 32.0000

646 3910

Shim

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK106

32

136478

32

646.3911 Manufactured No

Each 61.0000

646 3911

Shim

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck104

17

126229

17

CCK106

44

126059

44

646.3912 Manufactured No

Each 16.0000

646 3912

Shim

**

(140238X)

DAS
28
9-89

Location

Loc Qty

Loc Code

cck023a

10

124501

10

CCK106

6

123143

6

DAS
6
9-89

FEB 27 2016

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Page 15

Work Order ID: 140837

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140837

646 4001

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

646.3913 Manufactured No

Each 100.0000

646 3913

Shim

DAS
27
9-89

Location

Loc Qty

Loc Code

cck023aq

81

126060

81

CCK106

19

124108

19

AN3-12A Purchased No

Each 87.0000

AN3-12A

Bolt

Location

Loc Qty

Loc Code

GA

2

m129682

2

ST349

85

m133064

16

m133234

69

MS27039-1-16 Purchased No

Each 318.0000

MS27039-1-16

Screw

Location

Loc Qty

Loc Code

ST280

318

m131317

18

mm134023

300

650.92019-89 Manufactured No

Each 13.0000

650 9201

Eyelet Bracket Assembly

Location

Loc Qty

Loc Code

cck127

13

136606

13

**

**

**

**

DAS
6
9-89

DAS
28
9-89

DAS
6
9-89

DAS
28
9-89

DAS
6
9-89

DAS
28
9-89

DAS
6
9-89

DAS
28
9-89

FEB 09 2016

FEB 27 1991

Picklist Print

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Page 16

Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

AN44-5A Purchased No

Each 26.0000

14

AN44-5A

Eyebolt

**

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

ST339

26

m133134

2

m133790

12

m133990

12

DAS
27
9-89

AN665-34R Purchased No

Each 28.0000

14

AN665-34R

Clevis

**

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

ST330

28

M133523

28

Each

106.0000

14

AN4C7A Purchased No

AN4C7A

BOLT

**

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

OVER002

20

m133523

20

ST340

16

m133363

16

ST345

70

m133790

20

m133990

50

DAS
27
9-89

FEB 9 2016

Picklist Print

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Page 17

Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

NAS1149F0432P

Purchased

No

Each

1,660.000

NAS1149F0432P

WASHER

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST260a

1000

M133990

1000

ST262

535

M133938

535

st268

125

M132677

125

Each

2,254.000

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

41

m133363

41

GA

26

m127813

26

ST303

2090

m133769

2090

ST305

97

m130922

97

Each

79.0000

**

FEB 09 2016

DAS
6
9-89

DAS
28
9-89

AN316C4R

Purchased

No

AN316C4R

NUT

Location

Loc Qty

Loc Code

ST331

79

m133234

43

m133523

36

DAS
27
9-89

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Shop Packet Print

Page 17

Picklist Print

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Page 18

Work Order ID: 140837

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140837

646 4001

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

MS21042-3 MS21042L3 Purchased No

Each 18.0000 14

MS21042-3

Nut / use MS21042L3

DAS
27
9-89

Location

Loc Qty

Loc Code

ST304

18

M129682

18

MS27039-08-13 Purchased No

Each 324.0000 14

MS27039-08-13

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST278

324

124326

324

MS21042-08 MS21042L08 Purchased No

Each 33.0000 14

MS21042-08

USE MS21042L08

DAS
27
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

NAS1149FN832P Purchased No

Each 3,932.000 28

NAS1149FN832P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

2231

M133316

16

M133769

2215

ST262

1701

M133709

1701

**

**

**

**

DAS
6
9-89

DAS
6
9-89

DAS
6
9-89

DAS
6
9-89

FEB 09 2016

Picklist Print

January 20, 2016 10:43:31 AM

Page 19

Work Order ID: 140837

140837

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/20/2016

Required Date: 3/4/2016

Start Qty: 7.00

Required Qty: 7.00

MS24693-C278

Purchased

No

Each

75.0000

MS24693-C278

Screw

DAS
27
9-89

Location

ST287

Loc Qty

75

Loc Code

m133998

75

646.9410

Manufactured

No

Each

0.0000

646.9410

Shim

Shipped without Shim

16-3-12 

**

**

DAS 28 9-89
DAS 6 9-89
FEB 09 2016

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NOTES:

- △ AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.
- △ INSTALL F/N 14 WITH F/N 52 & 53.
- A 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMMASTER-CARR P/N 75935A651.
- △ 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.
- △ REUSE FASTENERS FROM F/N 1.
- △ USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.
- △ AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.
- △ INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.
- B △ NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

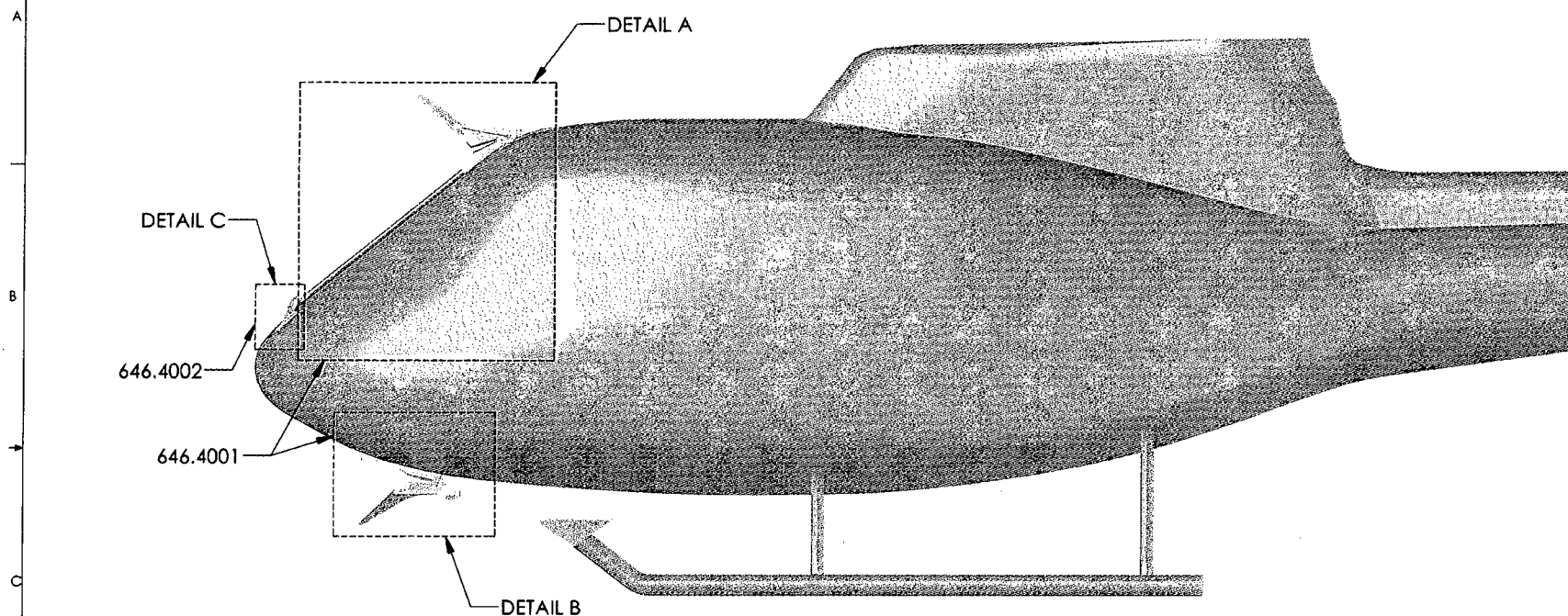
	5		5	78	601.3875	SCREW	MS24694554	△		
	1		1	77	646.9410	SHIM		△		
			4	76	601.2764	WASHER	NAS1149FN832P			
			2	75	601.2973	LOCKNUT	MS21042-08			
			2	74	601.2988	SCREW	MS27039-0813			
			2	73	601.2943	LOCKNUT	MS21042-3			
			2	72	601.3128	NUT	AN31AC4R			
			2	71	601.3209	LOCKNUT	MS21042-14			
			4	70	601.2638	WASHER	NAS1149FD433P			
			2	69	601.2669	BOLT	AN4C7A			
			2	68	601.3119	CLEVIS	AN665-34R			
			2	67	601.3121	EYE BOLT	AN44-5A			
			2	66	650.9201	EYE BRACKET ASSY				
	REF	REF		65	647.5701	GPS MOUNT KIT		△		
				64	601.3151	WASHER	NAS1149FC063FP			
			2		63	601.2911	SCREW	MS24694553		
		24	24	62	601.2637	SCREW	MS27039-1-16			
	2	2	2	61	601.2763	BOLT	AN3-12A			
		1	1	60	646.3913	SHIM				
		4	4	59	646.3912	SHIM				
		1	1	58	646.3911	SHIM				
		4	4	57	646.3910	SHIM				
		5	5	56	600.1013	PRIMER				
		8 FT	8 FT	55	600.0129	VHB TAPE				
		1	1	54	600.1012	SEALANT	PR-1425 CLASS B			
		1	1	53	600.0991	MAGNOBOND 6398 PART B		△		
		1	1	52	600.0990	MAGNOBOND 6398 PART A		△		
	6	10	10	51	601.2826	BOLT	AN3-11A			
			2	50	646.3814	WIPER BRACKET				
			2	49	601.2910	SCREW	MS27039-1-18			
	2		2	48	601.1365	SCREW	MS27039-1-10			
	2		2	47	646.3719	DOUBLER				
		2	2	46	646.3718	CUSTOM WASHER				
		1	1	45	646.3717	DOUBLER				
		22	2	44	601.1948	SCREW	MS27039-1-19			
		2	2	43	601.1952	SCREW	MS27039-1-20			
		4	4	42	601.1956	SCREW	MS27039-1-21			
.4006	.4005	.4004	.4003	.4002	.4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECHS 021PM, 02351, 02719 & 02745	03/06/2010	P. BRAVO
B	INCORPORATED ECH 03046, 03079 & 04731	11/04/2014	P. BRAVO
C	INCORPORATED ECH 05098	09/09/2015	P. BRAVO

		2		2	41	601.2829	SCREW	MS24694554		
		2		2	40	601.2831	RIVET	MS20476ADS-7		
		1		1	39	646.3716	GAUGE BRACKET			
		6		6	38	601.1953	SCREW	MS27039-1-12		
	2	2		2	37	646.3715	STRUT DOUBLER			
12	36	2		2	36	601.2824	BOLT	AN3-5A		
				36	35	601.2277	RIVET	CCR245S-3-09		
6	18			18	34	600.0795	NUTPLATE	MS21047-3		
3	3			3	33	601.2565	RIVET	MS20470ADS-7		
1	1			1	32	646.3813	STRUT BRACKET			
4	4			4	31	601.2822	BOLT	AN3-3A		
2	2			2	30	646.3812	GUSSET BRACKET			
8	8			8	29	601.2564	RIVET	MS20470ADS-6		
1	1			1	28	646.3714	GUSSET			
	1	1		1	27	646.3610	FILLER			
	3	3		3	26	601.2830	SCREW	MS24694555		
	2	2		2	25	601.2825	BOLT	AN3-6A		
	1	1		1	24	646.3811	RADIUS BLOCK			
	1	1		1	23	646.3712	CLIP			
	1	1		1	22	646.3711	CLIP			
8	8			8	21	601.2832	RIVET	MS20470ADS-5.5		
14	14			14	20	601.2020	RIVET	CR3213-5-3		
4	6	4	6	10	19	601.2823	BOLT	AN3-4A		
	1	1	1	1	18	601.2827	BOLT	AN3-13A		
	5	5		5	17	601.2912	SCREW	MS24694551		
	1	1		1	16	646.3713	GUSSET			
	1	1		1	15	646.3210	SUPPORT			
		1		1	14	646.3710	DOUBLER			
	1	1		1	13	646.3110	CHANNEL			
14	10	8	53	6	61	12	601.1624	LOCKNUT	MS21042L3	
16	32	18	120	16	144	11	601.1607	WASHER	NA3114P0332P	
				1	10	646.3410	LH WIPER DEFLECTOR			
				1	9	646.3411	RH WIPER DEFLECTOR			
		2		2	8	647.7703	STRUT ASSY			
		2		2	7	647.0112	STRUT BRACKET			
	1	1		1	6	646.3511	STRUT			
	1	1		1	5	646.3510	STRUT			
2	2			2	4	646.3810	BRACKET			
		1		1	3	646.2910	DEFLECTOR			
	1	1		1	2	646.3001	LOWER CUTTER ASSY			
		1		1	1	646.3301	UPPER CUTTER ASSY			
X						646.4006	LOWER CUTTER FIXED PROVISIONS			
	X					646.4005	LOWER CUTTER REMOVABLE PROVISIONS			
		X				646.4004	FIXED PROVISIONS KIT			
			X			646.4003	CABLE CUTTERS KIT WITHOUT FIXED PROVISIONS			
				X		646.4002	AS330 WIPER DEFLECTOR KIT			
					X	646.4001	AS330 CABLE CUTTERS KIT			
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

QTY		NEXT ASSY (\$)		ORIGINAL DATE (MM-DD-YY)		08-27-08		DRAWN BY		S. HUFF		CHECKED BY		P. BRAVO		DRAWING APPROVAL		P. BRAVO		DATE		08-27-08		CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS .1000 3 PLACE DECIMALS .0005 ANGLES ± .5°																											
DART 3030 ENTERPRISE CT., SUITE A AEROSPACE VISTA, CA, 92081 APICAL INDUSTRIES, INC. (760)-724-5300 DBA DART AEROSPACE AS330 CABLE CUTTERS KIT																											
REV		CAGE CODE		DWG. NO.		646.4000		REV.		C		SHEET		1 OF 5													

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 WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



ORIGINAL DATE 1/10/04 101 08-27-08		DART 3030 ENTERPRISE CT., SUITE A	
DRAWN BY S. HUFF		AEROSPACE VISTA, CA 92081	
CHECKED BY P. BRAVO		(760) 724-5300	
DRAWING APPROVAL P. BRAVO		APICAL INDUSTRIES, INC. DBA DART AEROSPACE	
DATE 08-27-08			
CONTRACT NO.			
AS350 CABLE CUTTERS KIT			
SIZE B	CAGE CODE 07MZ6	DWG. NO. 646.4000	REV. C
SCALE NONE		SHEET 2 OF 5	

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 2 PLACE DECIMALS ± 0.10
 3 PLACE DECIMALS ± 0.05
 ANGLES $\pm 5^\circ$

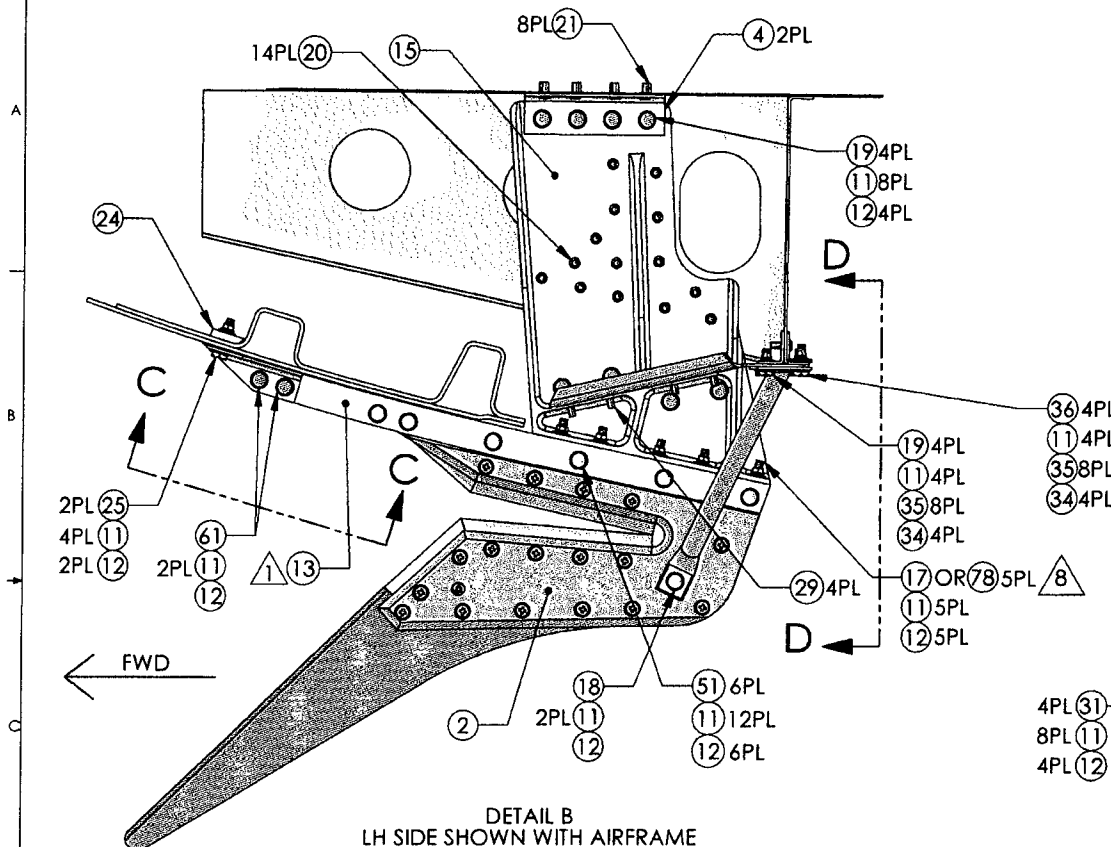
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REF 91

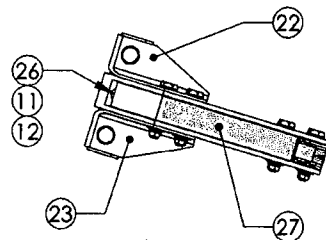
DETAIL A
SHOWN ISOMETRICALLY

ORIGINAL DATE (MO, DA, YR)	08-27-06	 DART AEROSPACE AERIAL INDUSTRIES INC. 3030 ENTERPRISE CT SUITE A VISTA, CA 92081 (760) 724-5300	3030 ENTERPRISE CT SUITE A VISTA, CA 92081 (760) 724-5300
DRAWN BY 1 - HWT	P. BRANO		
DRAWING APPROVAL			
P. BRANO	08-27-06		
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. 3 PLACE DECIMALS .001 2. 3 PLACE DECIMALS .0005 3. 3 PLACE DECIMALS .0005 4. 3 PLACE DECIMALS .0005			
SUIT B SCALE CODE 07M26		DWG. NO. 646.4000	REV C SHEET 3 OF 5
SCALE NONE		SHEET 3 OF 5	

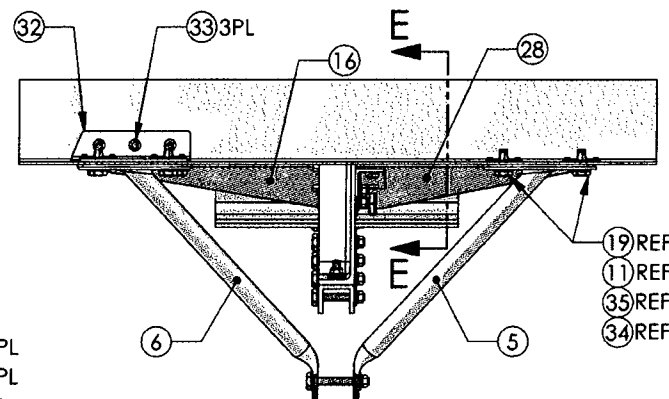
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES
DAA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPLICIT
WRITTEN PERMISSION OF APICAL INDUSTRIES OR DART AEROSPACE IS PROHIBITED.



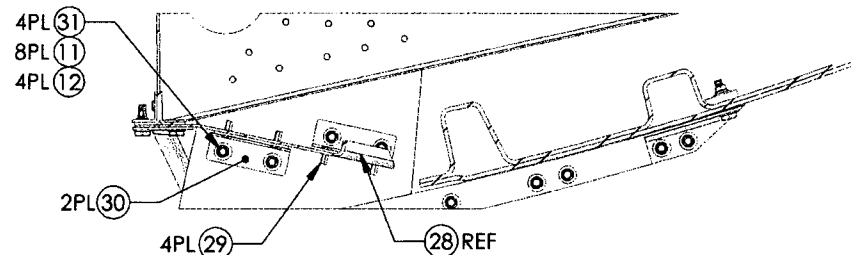
DETAIL B
LH SIDE SHOWN WITH AIRFRAME



SECTION C-C



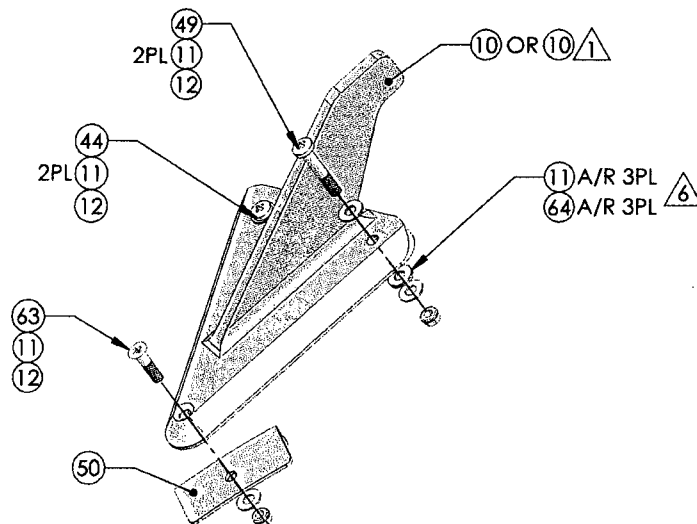
SECTION D-D
CUTTER HIDDEN FOR CLARITY



SECTION E-E

ORIGINAL DATE JUN-84-1781 06-27-82		DART 3030 ENTERPRISE CT., AEROSPACE SUITE A VISIA, CA. 92081 APICAL INDUSTRIES INC. (760)-724-5300 DAA DART AEROSPACE	
DRAWN BY S. HUFF	CHECKED P. BRAVO	AS350 CABLE CUTTERS KIT	
DRAWING APPROVAL P. BRAVO	06-27-82	REV. B	C
CONTRACT NO.		SCALE NONE	SHEET 4 OF 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.010 3 PLACE DECIMALS ±.005 ANGLES ±.5°			

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DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPLICIT
WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE 1902-04-19 08:27:08		DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760) 724-5300	
DRAWN BY S. HUB		CHECKED P. BRAVO	
DRAWING APPROVAL P. BRAVO		APICAL INDUSTRIES, INC. DBA DART AEROSPACE	
CONTRACT NO.		AS350 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±0.01 3 PLACE DECIMALS ±0.005 ANGLES ±.5°	SHEET B	CAGE CODE 07M26	DWG. NO. 646.4000
SCALE NONE		REV C	
SHEET 3 OF 5			

NOTES:

-

UNINCORPORATED ECN(S)

0.5304

d

1